

FIG. 1A

110

105

| | | | |
|----|----|----|----|
| 0 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 |

FIG. 1B

155

150

| | | | |
|----|----|----|----|
| 0 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 |

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FIG. 2

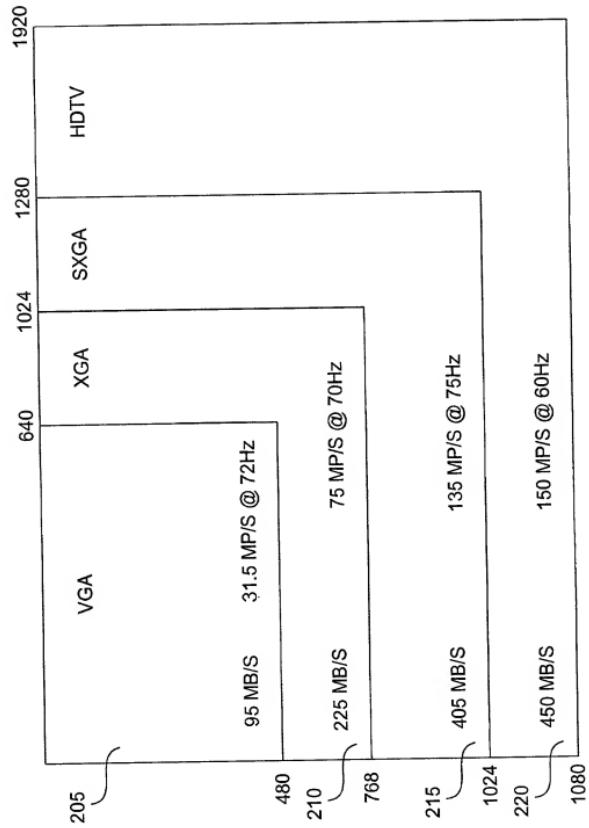


FIG. 3A

310

305

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

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350

FIG. 3B

| | | | |
|----|----|----|----|
| 0 | 2 | 4 | 6 |
| 8 | 10 | 12 | 14 |
| 16 | 18 | 20 | 22 |
| 24 | 26 | 28 | 30 |

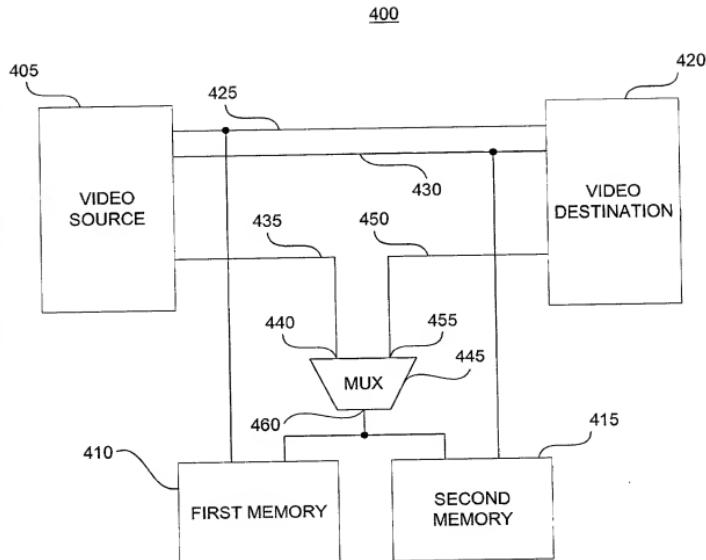
375

FIG. 3C

375

| | | | |
|----|----|----|----|
| 1 | 3 | 5 | 7 |
| 9 | 11 | 13 | 15 |
| 17 | 19 | 21 | 23 |
| 25 | 27 | 29 | 31 |

FIG. 4



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FIG. 5

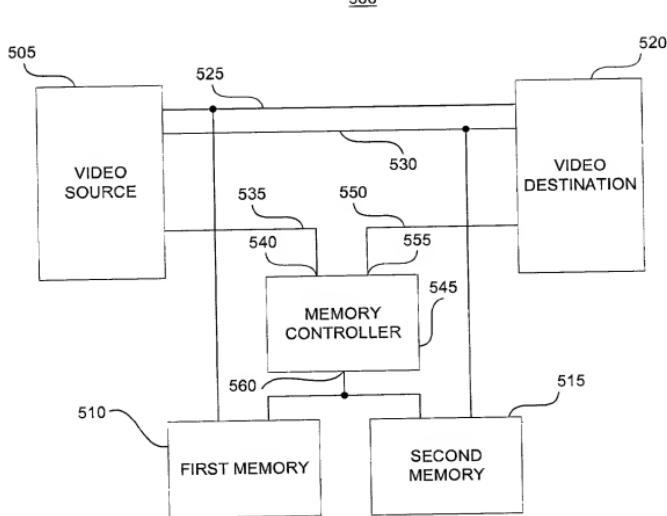


FIG. 6A

| | | | |
|---|---|-----|-----------|
| 0 | 1 | ... | 2^{i-1} |
|---|---|-----|-----------|

FIG. 6B

| | | | |
|-----|-----|-----|-----|
| 0 | 1 | ... | 255 |
| 256 | 257 | ... | 511 |
| ... | | | |

FIG. 6C

| | | | | | |
|-----|-----|----|----|-----|----|
| A20 | ... | A8 | A7 | ... | A0 |
|-----|-----|----|----|-----|----|

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FIG. 7

A 15x15 grid of numbers from 0 to 255. The numbers are arranged in a sequence starting from 0 at the top-left and increasing towards 255 at the bottom-right. The grid is labeled with row and column indices from 0 to 15. Four specific numbers are highlighted with arrows:

- 710 points to the number 17.
- 720 points to the number 50.
- 715 points to the number 51.
- 705 points to the number 125.

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
| 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 |
| 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 |
| 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 |
| 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 |
| 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 |
| 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 |
| 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 |
| 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 |
| 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 |
| 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 |

FIG. 8A

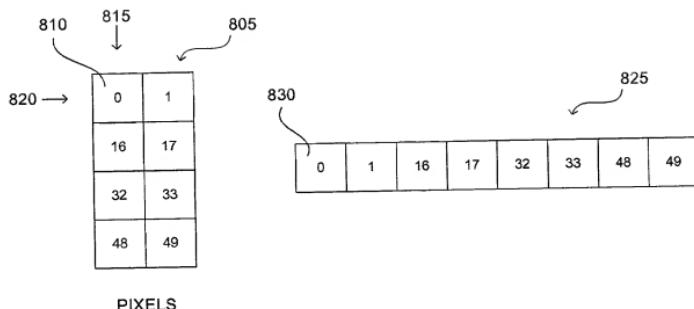
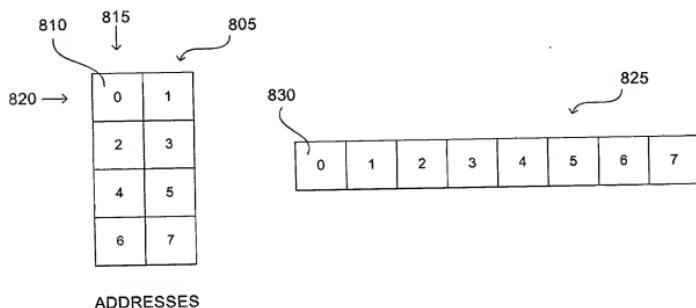


FIG. 8B



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FIG. 9

| 910 | | 915 | | |
|---------|-------|-------|-----|-------|
| 920 → 0 | | 0 | 1 | |
| 1 | 1920 | 1921 | ... | 1935 |
| ... | ... | ... | ... | ... |
| 15 | 28800 | 28801 | ... | 28815 |

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FIG. 10

1000

1005 1010 1015 1020 1025 1030 1035 1040

| PIXEL | FRAME ROW | FRAME COLUMN | PIXEL PAGE | PIXEL PAGE ROW | PIXEL PAGE COLUMN | MEMORY PAGE | MEMORY ADDRESS |
|-------|-----------|--------------|------------|----------------|-------------------|-------------|----------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 15 | 0 | 15 | 0 | 0 | 15 | 0 | 15 |
| 16 | 0 | 16 | 1 | 0 | 0 | 1 | 256 |
| 31 | 0 | 31 | 1 | 0 | 15 | 1 | 271 |
| 1919 | 0 | 1919 | 119 | 0 | 15 | 119 | 30479 |
| 1920 | 1 | 0 | 0 | 1 | 0 | 0 | 16 |
| 1921 | 1 | 1 | 0 | 1 | 1 | 0 | 17 |
| 1935 | 1 | 15 | 0 | 1 | 15 | 0 | 31 |
| 1936 | 1 | 16 | 1 | 1 | 0 | 1 | 272 |

FIG. 11

A 15x15 grid of numbers from 0 to 255. The numbers are arranged in a sequence starting at 0 and increasing by 1 for each subsequent cell. The grid is labeled with four specific numbers:

- 1110 points to the value 0.
- 1120 points to the value 19.
- 1115 points to the value 35.
- 1105 points to the value 15.

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
| 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 |
| 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 |
| 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 |
| 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 |
| 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 |
| 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 |
| 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 |
| 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 |
| 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 |
| 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 |
| 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 |

FIG. 12

1200

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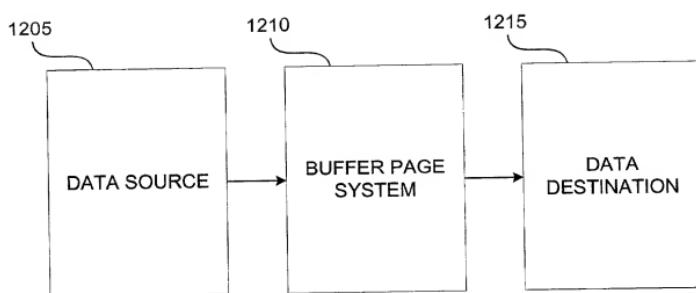
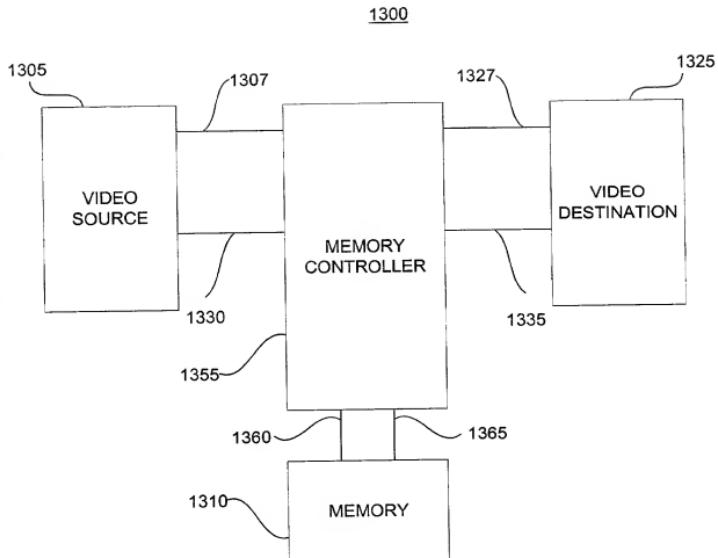


FIG. 13



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FIG. 14

1400

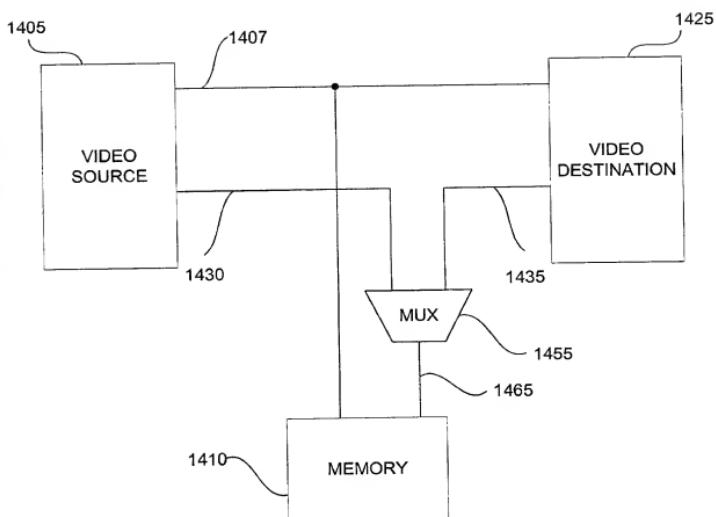


FIG. 15

| 1500 | | | | | | | |
|---------|-----------|--------------|------------|----------------|-------------------|-------------|----------------|
| 1505 | 1510 | 1515 | 1520 | 1525 | 1530 | 1535 | 1540 |
| PIXEL | FRAME ROW | FRAME COLUMN | PIXEL PAGE | PIXEL PAGE ROW | PIXEL PAGE COLUMN | MEMORY PAGE | MEMORY ADDRESS |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 15 | 0 | 15 | 0 | 0 | 15 | 0 | 15 |
| 16 | 0 | 16 | 1 | 0 | 0 | 1 | 256 |
| 31 | 0 | 31 | 1 | 0 | 31 | 1 | 271 |
| 1919 | 0 | 1919 | 119 | 0 | 15 | 119 | 30479 |
| 1920 | 1 | 0 | 0 | 1 | 0 | 0 | 16 |
| 28800 | 15 | 0 | 0 | 15 | 0 | 0 | 240 |
| 28815 | 15 | 15 | 0 | 15 | 15 | 0 | 255 |
| 28831 | 15 | 31 | 1 | 15 | 15 | 1 | 511 |
| 30719 | 15 | 1919 | 119 | 15 | 15 | 119 | 30719 |
| XXX | XXX | XXX | 120 | 0 | 0 | 120 | 30720 |
| 30720 | 16 | 0 | 128 | 0 | 0 | 128 | 32768 |
| 2073599 | 1079 | 1919 | 8695 | 7 | 15 | 8695 | 2226047 |
| XXX | XXX | XXX | 8704 | 0 | 0 | 8704 | 2228224 |

209451544 "TDT" 100515544

FIG. 16

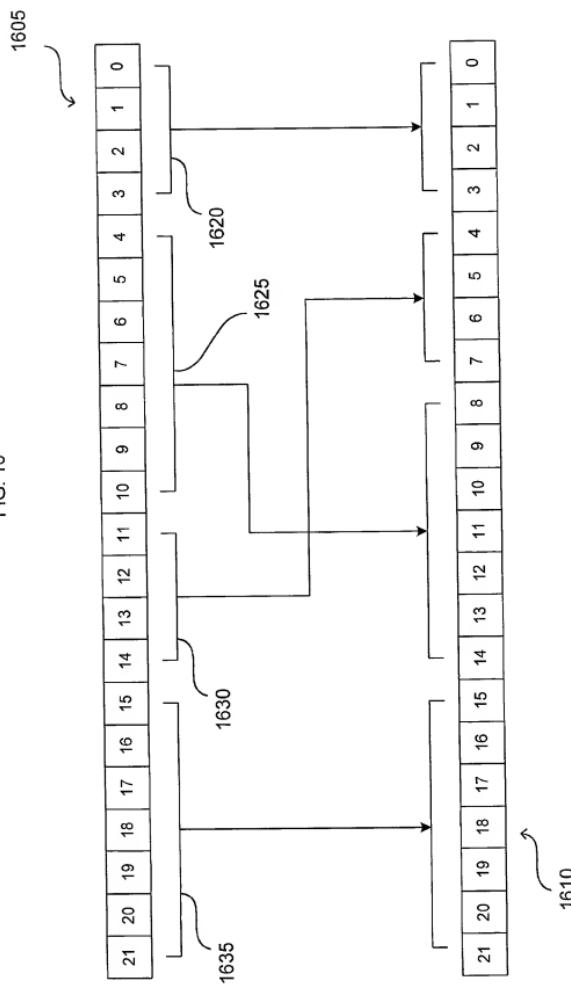


FIG. 17

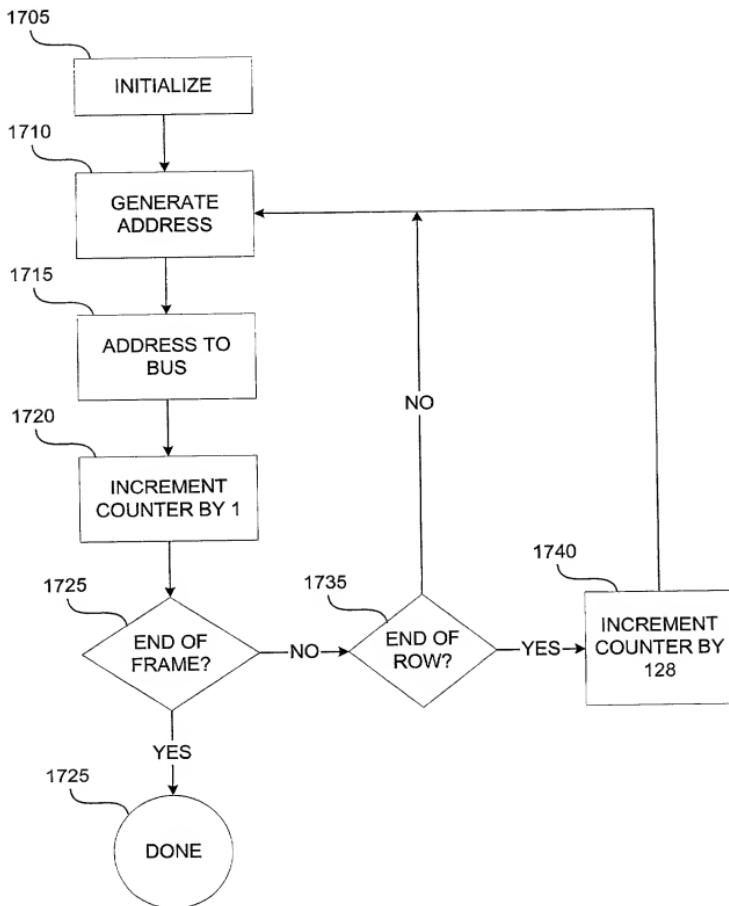
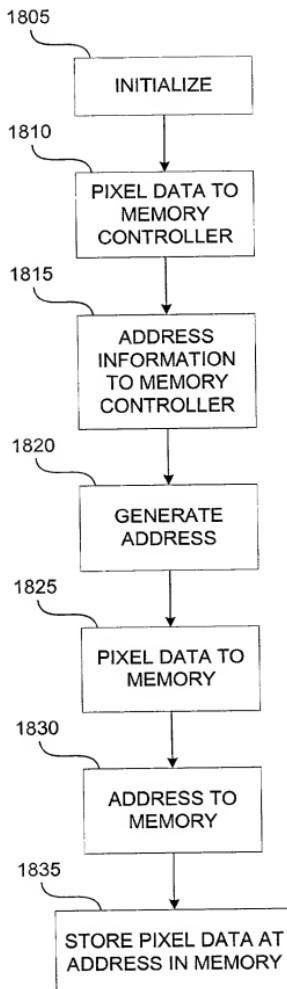
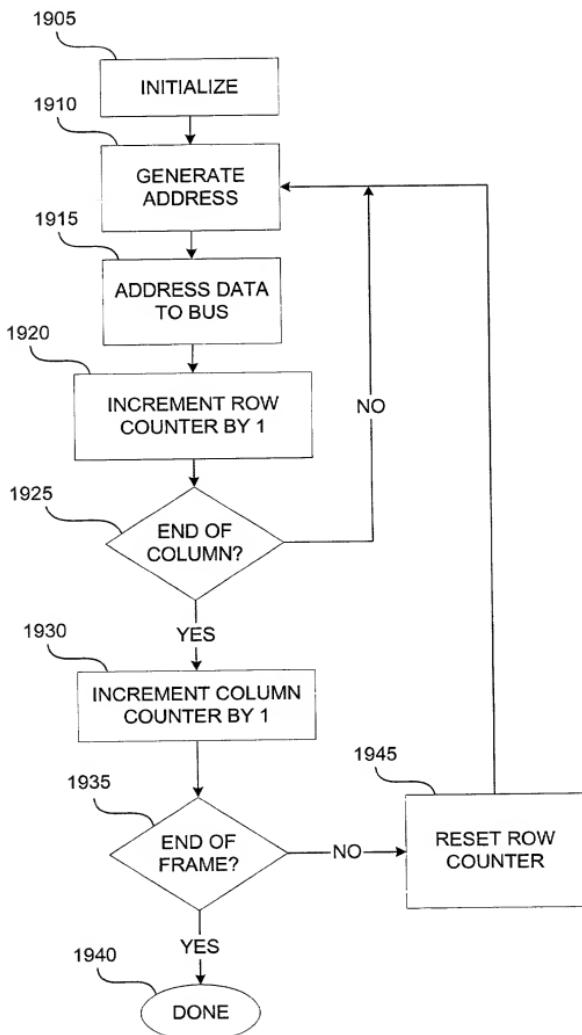


FIG. 18



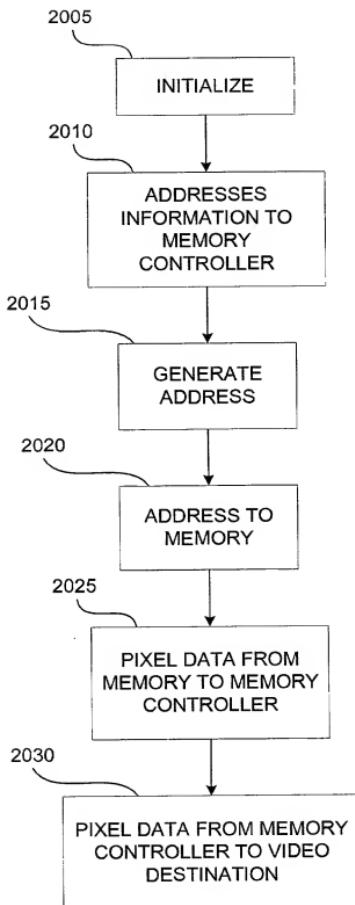
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FIG. 19



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FIG. 20



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FIG. 21

2100

| PIXEL | FRAME ROW | FRAME COLUMN | PIXEL PAGE | PIXEL PAGE ROW | PIXEL PAGE COLUMN | MEMORY PAGE | MEMORY ADDRESS |
|---------|-----------|--------------|------------|----------------|-------------------|-------------|----------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 15 | 0 | 15 | 0 | 0 | 15 | 0 | 15 |
| 16 | 0 | 16 | 1 | 0 | 16 | 1 | 256 |
| 31 | 0 | 31 | 1 | 0 | 31 | 1 | 271 |
| 1919 | 0 | 1919 | 119 | 0 | 15 | 119 | 30479 |
| 1920 | 1 | 0 | 0 | 1 | 0 | 0 | 16 |
| 28800 | 15 | 0 | 0 | 15 | 0 | 0 | 240 |
| 28815 | 15 | 15 | 0 | 31 | 15 | 0 | 255 |
| 28831 | 15 | 31 | 1 | 31 | 15 | 1 | 511 |
| 30719 | 15 | 1919 | 119 | 31 | 15 | 119 | 30719 |
| 30720 | 16 | 0 | 120 | 0 | 0 | 120 | 30720 |
| 30848 | 16 | 128 | 128 | 0 | 0 | 128 | 32768 |
| 2073599 | 1079 | 1919 | 8159 | 7 | 15 | 8159 | 2088831 |
| XXX | XXX | XXX | 8159 | 15 | 15 | 8159 | 2088959 |

1000514541016502

FIG. 22

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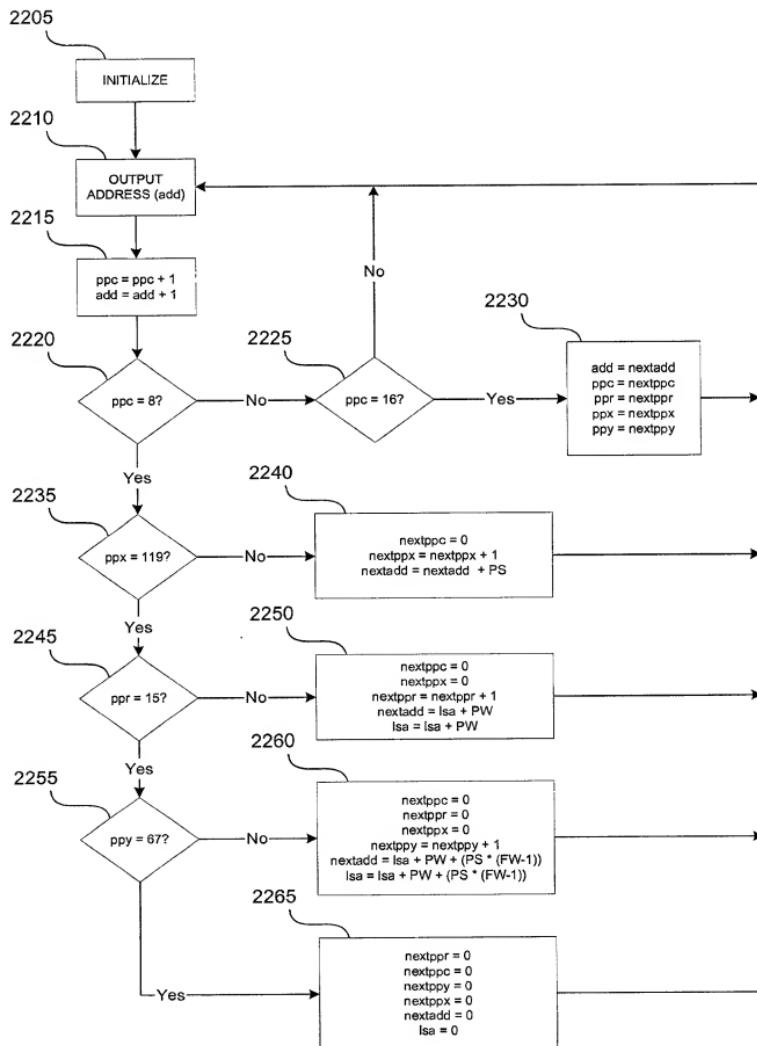
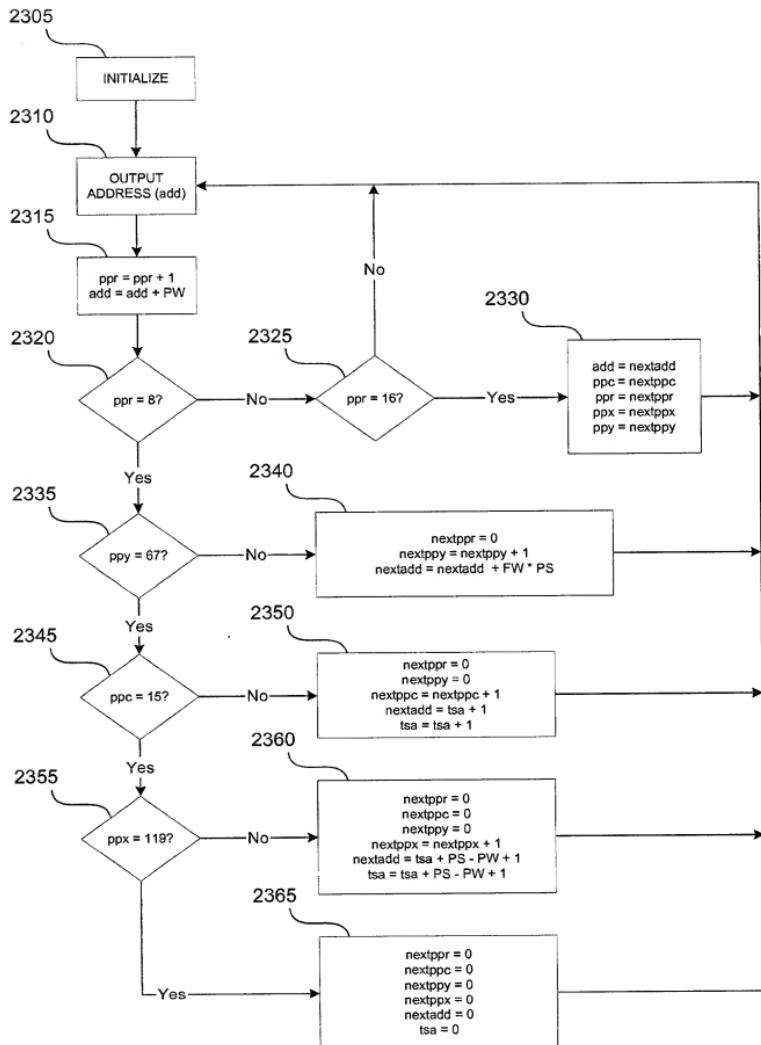


FIG. 23



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FIG. 24

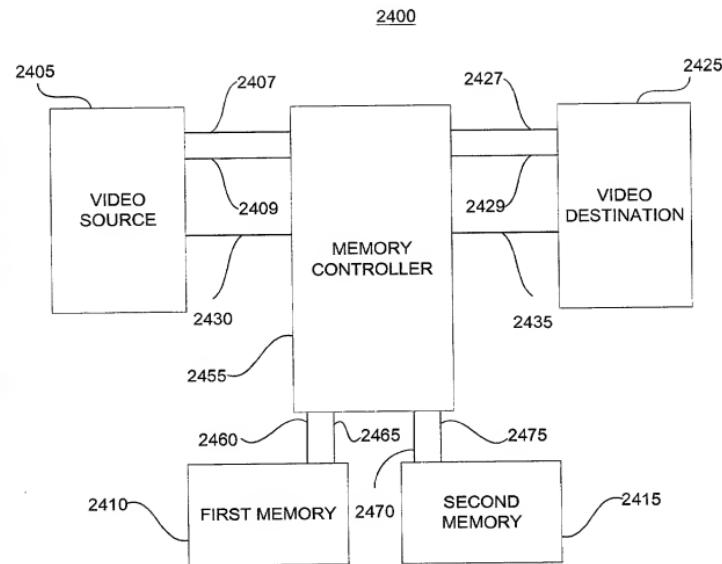


FIG. 25

| | | 2505 | | | | | | | | | |
|----------|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------|--|
| | | 2510 | 0 | 1 | ... | ... | ... | ... | 30 | 31 | |
| 2520 → 0 | | 0 | 1 | ... | ... | ... | ... | ... | 30 | 31 | |
| 1 | 1920 | 1921 | ... | ... | ... | ... | ... | ... | 1950 | 1951 | |
| 15 | 28800 | 28801 | ... | ... | ... | ... | ... | ... | 28830 | 28831 | |

10051541 - 011602

FIG. 26

2600

| PIXEL | FRAME ROW | FRAME COLUMN | PIXEL PAGE | PIXEL PAGE ROW | PIXEL PAGE COLUMN | MEMORY PAGE | MEMORY ADDRESS | MEMORY DEVICE |
|---------|-----------|--------------|------------|----------------|-------------------|-------------|----------------|---------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 15 | 0 | 15 | 0 | 0 | 15 | 0 | 7 | 1 |
| 16 | 0 | 16 | 0 | 0 | 16 | 0 | 8 | 0 |
| 31 | 0 | 31 | 0 | 0 | 31 | 0 | 15 | 1 |
| 1919 | 0 | 1919 | 59 | 0 | 31 | 59 | 15119 | 1 |
| 1920 | 1 | 0 | 0 | 1 | 0 | 0 | 16 | 0 |
| 28800 | 15 | 0 | 0 | 15 | 0 | 0 | 240 | 0 |
| 28815 | 15 | 15 | 0 | 15 | 15 | 0 | 247 | 1 |
| 28831 | 15 | 31 | 0 | 15 | 31 | 0 | 255 | 1 |
| 30719 | 15 | 1919 | 59 | 15 | 31 | 59 | 15359 | 1 |
| XXX | XXX | XXX | 60 | 0 | 0 | 60 | 15360 | 0 |
| 30720 | 16 | 0 | 64 | 0 | 0 | 64 | 16384 | 0 |
| 2073599 | 1079 | 1919 | 4347 | 7 | 31 | 4347 | 1112959 | 1 |
| XXX | XXX | XXX | 4352 | 0 | 0 | 4352 | 1114112 | 0 |

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FIG. 27

2705

| | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|



2735

2730

2725

2720

DROPPED

2715

| | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
| 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|

2710

FIG. 28

2800

| PIXEL | FRAME ROW | FRAME COLUMN | PIXEL PAGE | PIXEL PAGE ROW | PIXEL PAGE COLUMN | MEMORY PAGE | MEMORY ADDRESS | MEMORY DEVICE |
|---------|-----------|--------------|------------|----------------|-------------------|-------------|----------------|---------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 15 | 0 | 15 | 0 | 0 | 15 | 0 | 7 | 1 |
| 16 | 0 | 16 | 0 | 0 | 16 | 0 | 8 | 0 |
| 31 | 0 | 31 | 0 | 0 | 31 | 0 | 15 | 1 |
| 1919 | 0 | 1919 | 59 | 0 | 31 | 59 | 15119 | 1 |
| 1920 | 1 | 0 | 0 | 1 | 0 | 0 | 16 | 0 |
| 28600 | 15 | 0 | 0 | 15 | 0 | 0 | 240 | 0 |
| 28815 | 15 | 15 | 0 | 15 | 15 | 0 | 247 | 1 |
| 28831 | 15 | 31 | 0 | 15 | 31 | 0 | 255 | 1 |
| 30719 | 15 | 1919 | 59 | 15 | 31 | 59 | 15359 | 1 |
| 30720 | 16 | 0 | 60 | 0 | 0 | 60 | 15360 | 0 |
| 30848 | 16 | 128 | 64 | 0 | 0 | 64 | 16384 | 0 |
| 2073599 | 1079 | 1919 | 4079 | 7 | 31 | 4079 | 1044351 | 1 |
| XXX | XXX | XXX | 4079 | 15 | 31 | 4079 | 1044479 | 1 |

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FIG. 29

2900

10051541.011602

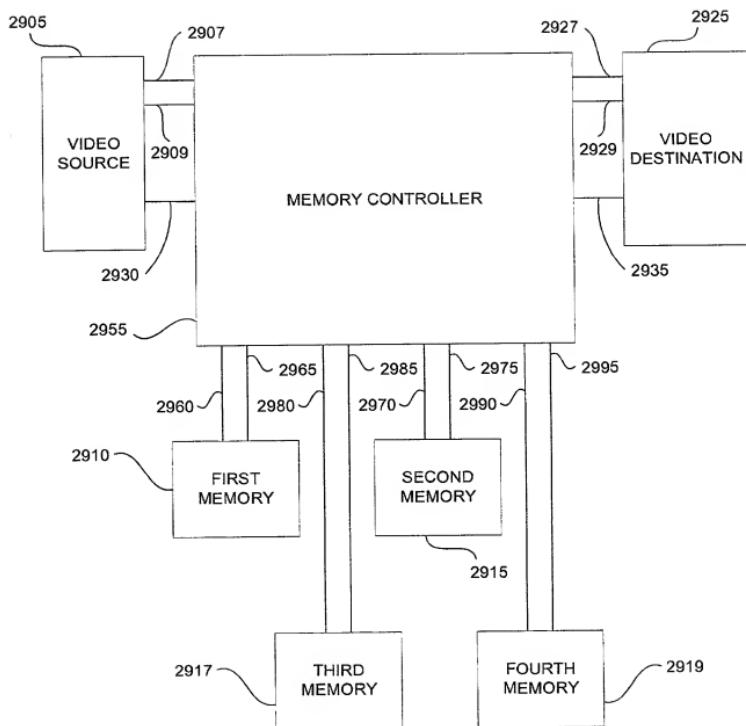


FIG. 30

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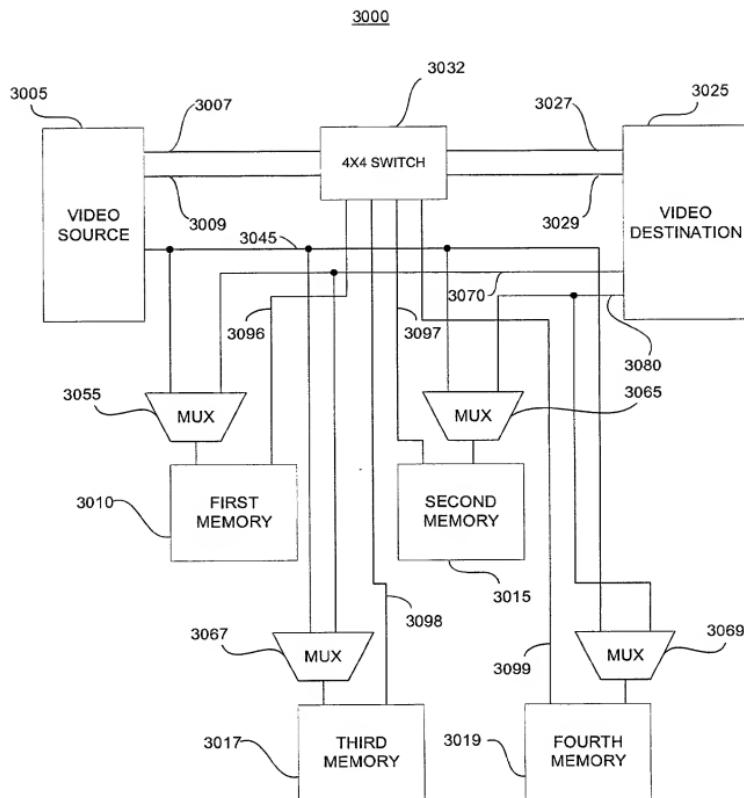
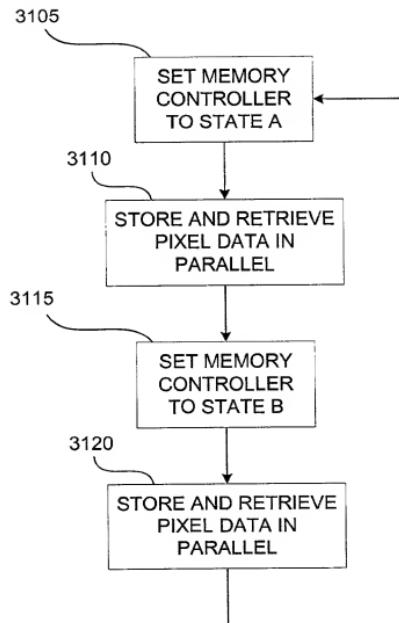
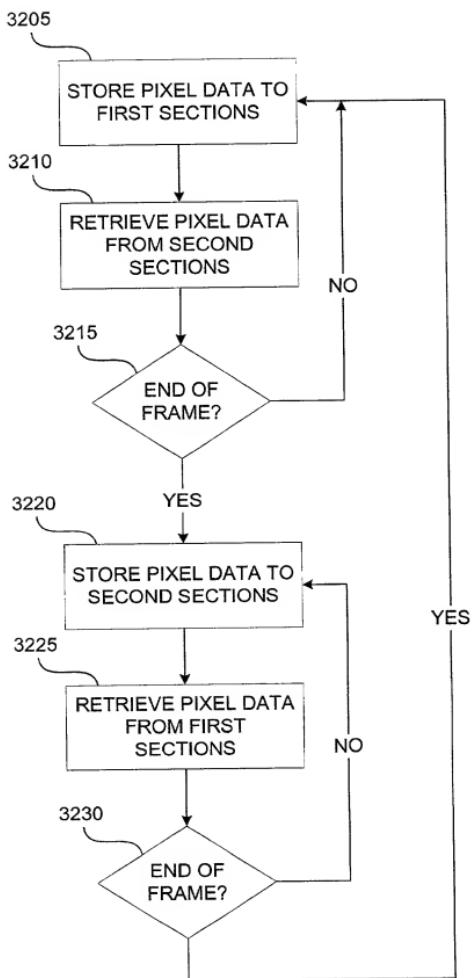


FIG. 31



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FIG. 32



10051511.01602